

# GAS/LIQUID SEPARATOR INCLUDING A LIQUID TRAP FILTER

## ABSTRACT OF THE DISCLOSURE

A liquid separator for a respiratory gas sample analyzer includes a closed container having a liquid trap filter chamber integral with the container. The liquid trap filter chamber includes an inlet compartment and an outlet compartment. The inlet compartment is interposed between a sample inlet port and a sample outlet port and includes a gas permeable, liquid impermeable filter element for separating liquid from a gas sample, the liquid separated from the gas sample passing to a collection chamber. The outlet compartment includes a further gas permeable, liquid impermeable trap filter element which is interposed between the collection chamber and a low pressure port, for preventing the flow of liquid through the output compartment to the low pressure port.